

Appl. No. 10/718,840
Amdt. Dated January 24, 2005
Reply to Office Action of December 14, 2004

AMENDMENTS TO THE SPECIFICATION

Please amend the Abstract of the Disclosure as follows:

--A polymer composition containing components A and B provides a crosslinked network to form an elastomeric thin film rubber product. Component A comprises A1 a high molecular weight polymer containing units having carboxyl and/or hydroxyl functional groups, and A2 a relatively low molecular weight coreactant polyelectrolyte containing units having carboxyl and/or hydroxyl functional groups. Component B comprises a polyfunctional crosslinking agent capable of crosslinking with carboxyl and/or hydroxyl functional groups at ambient temperatures or higher. Functional groups include, for example, at least one of -OH, -SH, -NH, -NH₂, -COOH, -SO₂NH₂, -CONH₂, -Cl, or -Br. Crosslinker B may polymerize into higher molecular weight polymers, form covalent cross links between polymer A1 and polyelectrolyte A2, and/or entrap or entangle polymers A1, A2, and B. The crosslinking reaction may be enhanced by using an acid or acid-forming catalyst.--